

WHAT IS CLAIMED IS:

- 1 1. A method, comprising:
2 obtaining a semi-permeable container having a polymeric external surface;
3 obtaining a metallic layer;
4 placing the metallic layer against the external surface; and
5 melting at least a portion of the external surface beneath the metallic layer.
- 1 2. The method of claim 1, wherein the semi-permeable container includes a
2 plastic bottle.
- 1 3. The method of claim 1, wherein the semi-permeable container includes a
2 plastic pharmaceutical bottle.
- 1 4. The method of claim 1, wherein the semi-permeable container includes an
2 IV bag.
- 1 5. The method of claim 1, wherein the semi-permeable container includes a
2 plastic-wrapped food package.
- 1 6. The method of claim 1, further comprising coupling a printed layer onto the
2 metallic layer.
- 1 7. The method of claim 1, wherein the metallic layer includes metallized
2 polyester.

- 1 8. A safe container, comprising:
2 a semi-permeable container having a polymeric external surface; and
3 a metallic layer bonded directly to the external surface.
- 1 9. The safe container of claim 8, further comprising a printed layer coupled
2 onto the metallic layer.
- 1 10. The safe container of claim 8, wherein the metallic layer includes
2 metallized polyester.
- 1 11. A method, comprising:
2 obtaining a semi-permeable container having an external surface;
3 obtaining a metallic layer;
4 placing polymeric material between the external surface and the metallic
5 layer; and
6 melting at least a portion of the polymeric material.
- 1 12. The method of claim 11, wherein the semi-permeable container includes a
2 plastic bottle.
- 1 13. The method of claim 11, wherein the semi-permeable container includes a
2 pharmaceutical bottle.
- 1 14. The method of claim 11, wherein the semi-permeable container includes an
2 IV bag.
- 1 15. The method of claim 11, wherein the semi-permeable container includes a
2 food package.

1 16. The method of claim 11, further comprising coupling a printed layer onto
2 the metallic layer.

1 17. The method of claim 11, wherein the melting temperature of the polymeric
2 material is less than the melting temperature of the semi-permeable container.

1 18. The method of claim 11, wherein the metallic layer includes metallized
2 polyester.

1 19. A safe container, comprising:
2 a semi-permeable container having an external surface;
3 polymeric material bonded to the external surface; and
4 a metallic layer bonded to the polymeric material.

1 20. The safe container of claim 19, further comprising a printed layer coupled
2 to the metallic layer.

1 21. The safe container of claim 19, wherein the metallic layer includes
2 polyester.

1 22. A method, comprising:
2 obtaining a semi-permeable container having an external surface and having
3 a metallic layer bonded to the external surface; and
4 coupling a printed layer to the metallic layer.